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TITLE : HLA-B35 GENE AND DNA PROBE, AND TRANSFORMANT CELL

ATCGGGCTCAGCGCGCGCGCGAGCCGCTCTCTGCTGCTCT
GGGGGGAGTGGCGCTGACCGAGACCTGGCGCGCTCGCA
CTCATGAGGTATTCTACAGCGCCATCTCGCGCGCGCG
CGCGGGAGCGCGCGCTCTATCGCGACTCGCTACTGCGAGG
ACACCGAGTTCGTGAGGTTGGAGCGGACCGCGCGAGTCC
GAGGACCGAGCGCGCGCGCGCGCGATGATAGAGCGAGCGG
CGCGAGTATTGGAGCGCGAGACAGAGATCTTCAAGACCA
AGAGACAGACTTACCGAGAGCGCTGGCGAGCTCGCGCG
CTACTACAGACGACAGCGAGCGCGCGCTGACATCATCCAG
AGGATGATATCGCTCGCGAGCTGGCGCGCGAGCGCGCGCTCC
TCGGCGCGCATGACCGAGTCCGCTAGGACCGCGAGGATTAT
CATCGCGCTGAGACAGGAGCTGAGCTCTCTGACCGCGCGG
GACACCGCGCTGAGATCAGCGAGCGAGTGGCGAGCGCG

ABSTRACT : PURPOSE: To provide the title gene having exon expressed by a specific base sequence, useful for the research, assay and diagnosis of HLA-B35 alloantigen.

CONSTITUTION: The objective HLA-B35 gene having exon expressed by a base sequence of the formula (where the description of bases from 521th to 1089th are omitted) made up of 1089 bases (A is adenine; C is cytosine; G is guanine; T is thymine). When labelled with a marker, cDNA coinciding with part of the base sequence of the present HLA-B35 gene can be applied to DNA probe to be used for DNA typing. Said marker is e.g. peroxidase, iron porphyrin derivative. Moreover, since the HLA-B35 gene is capable of coding HLA-B35 antigen, transformant cells capable of manifesting HLA-B35 antigen can be obtained by transducing this gene into eucaryote cells.

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